



OFFICE OF SCIENCE & TECHNOLOGY

Radar Flashlight

Project Description:

The National Institute of Justice sponsored the Georgia Tech Research Institute (GTRI) in developing an inexpensive, handheld, low-power radar, which will enable law enforcement officers to detect individuals through interior building walls and doors. The Radar Flashlight works by detecting the slightest body motion of an individual on the opposite side of the wall.

2nd Generation GTRI “Radar Flashlight”



Status:

The laboratory model, shown here, was able to detect an individual through sections of home siding and drywall, a wooden front door, and a section of brick and mortar in the laboratory test area. An assessment of the Radar Flashlight was completed with law enforcement agencies through the National Law Enforcement and Corrections Technology Center - Southeast (NLECTC-SE). NIJ funded improvements to the system based upon recommendations received during that assessment. Those improvement have been completed, and a prototype delivered to the US Air Force Research Laboratory, Rome (NY) Research Site for a technical evaluation. GTRI has begun efforts to commercialize this technology.

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